



Patent
Docket No.: P02083US1A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Xiaorong Wang, et al. Group Art Unit:
Serial No.: 10/791,177 Examiner:
Filed: March 2, 2004
For: RUBBER COMPOSITION CONTAINING FUNCTIONALIZED
POLYMER NANOPARTICLES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty to disclose information that is material to the patentability of the present invention, as set forth in 37 C.F.R. § 1.56 and § 1.97-1.98, copies of the documents listed on the attached form PTO-SB-08A are enclosed for consideration by the Examiner.

Respectfully submitted by:

4/22/04
Date

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Enclosures

CERTIFICATE OF MAILING

I hereby certify that the attached Information Disclosure Statement was deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on April 23, 2004.

Millie Persih
Millie Persih



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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/791,177
Filing Date	March 2, 2004
First Named Inventor	Xiaorong Wang
Art Unit	
Examiner Name	
Attorney Docket Number	P02083US1A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,773,521	09-27-1988	Chen	
		US- 4,829,135	05-09-1989	Gunesin et al.	
		US- 4,942,209	07-17-1990	Gunesin	
		US- 5,594,072	01-14-1997	Handlin Jr, et al.	
		US- 5,763,551	06-09-1998	Wunsch et al.	
		US- 5,847,054	12-08-1998	McKee et al.	
		US- 5,891,947	04-06-1999	Hall et al.	
		US- 5,905,116	05-18-1999	Wang et al.	
		US- 5,994,468	11-30-1999	Wang et al.	
		US- 6,191,217	02-20-2001	Wang et al.	
		US- 6,204,354	03-20-2001	Wang et al.	
		US- 6,255,372	07-03-2001	Lin et al.	
		US- 6,437,050	08-20-2002	Krom et al.	
		US- 2002/0045714 A1	04-18-2002	Tomalia et al.	
		US- 2003/0130401 A1	07-10-2003	Lin et al.	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 02/081233 A1	10-17-2002	Bridgestone		
		WO 03/085040 A2	10-16-2003	Bridgestone		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
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				First Named Inventor	Xiaorong Wang
				Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	P02083US1A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		An article entitled "Dendritic Macromolecules: Synthesis of Starburst Dendrimers" DONALD A. TOMALIA et al., Macromolecules, Vol. 19, No. 9, 1986, contribution from Functional Polymers/Processes and the Analytical Laboratory, Dow Chemical, Midland, MI 48640, Pgs. 2466-2468.	
		An article entitled "Preparation and Characterization of Heterophase Blends of Polycaprolactam and Hydrogenated Polydienes" DAVID F. LAWSON, ET AL. Pgs. 2331-2351, Central Research Labs., The Firestone Tire and Rubber Co., Akron, Ohio 44317, Journal of Applied Polymer Science, Vol. 39, 1990 John Wiley & Sons, Inc.	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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